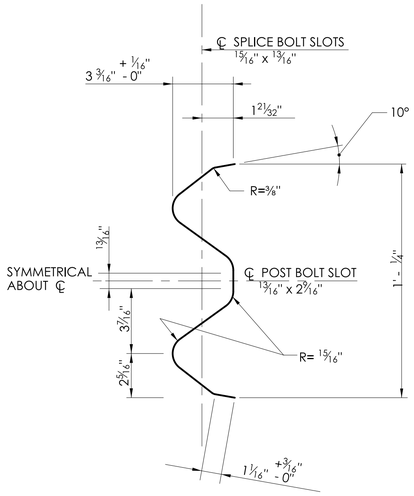
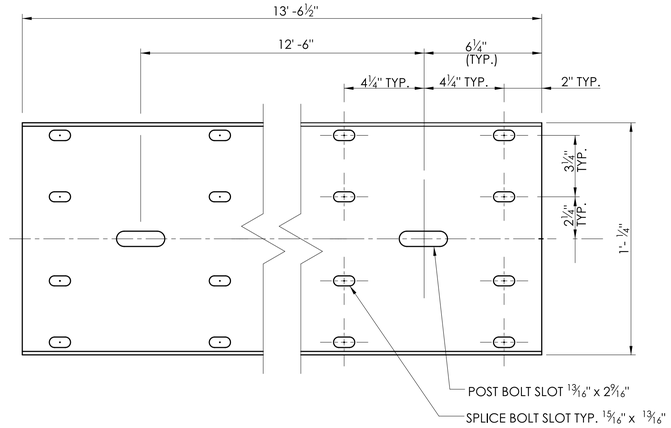
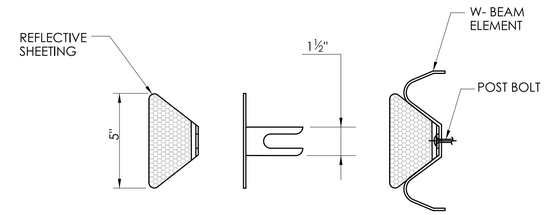


SELECTION THRU RAIL ELEMENT END VIEW

NOTE: ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES



TYPICAL W-BEAM RAIL ELEMENT CLASS A, TYPE II



DELINEATOR DETAIL

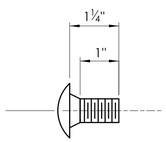
GENERAL NOTES:

1. NEW R-B 350 GUIDERAIL INCLUDING SYSTEMS, ANCHORS AND TRANSITIONS INSTALLED ON EXPRESSWAYS AND RAMPS SHALL USE CLASS B TYPE II (10 GAUGE) W-BEAM RAIL ELEMENTS.
2. W6 x 9 POSTS MAY BE USED IN PLACE OF W6 x 8.5 POSTS.
3. W8 x 13 POSTS, 7'-6" LONG, ARE USED WITH TRANSITIONS TO VERTICAL OR SAFETY SHAPE PARAPETS (POSTS 1 AND 2) AND SYSTEM 6.
4. W6 x 8.5 POSTS, 6'-0" LONG, ARE USED WITH TRANSITIONS TO VERTICAL OR SAFETY SHAPE PARAPETS (POSTS 3 THOUGH 6), MD-B 350, SYSTEM 5 & 5A, AND STANDARD R-B 350 GUIDERAIL.

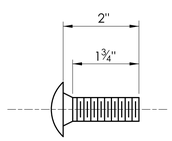
DELINEATOR NOTES:

1. DELINEATORS SHALL BE FORMED OF .080 POLY-CARBONATE OR .080 SHEET ALUMINUM IN ACCORDANCE WITH M.18.13.
2. REFLECTIVE SHEETING SHALL CONFORM TO M.18.09.2.
3. DELINEATORS SHALL BE INSTALLED ON THE POST CLOSEST TO THE DESIGNATED SPACING.
4. REFLECTIVE SHEETING SHALL BE WHITE EXCEPT ON THE LEFT SIDE OF DIVIDED STREETS, HIGHWAYS, RAMPS, AND ONE WAY ROADS IN THE DIRECTION OF TRAVEL WHERE IT SHALL BE YELLOW.
5. INSTALL DELINEATORS ON RAIL THAT IS PARALLEL TO AND NOT GREATER THAN 6' FROM THE EDGE OF THE ROADWAY. A MINIMUM OF THREE DELINEATORS MUST BE INSTALLED ON ANY RUN OF RAIL.

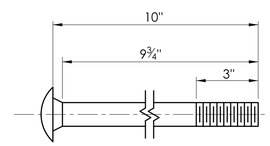
   DELINEATOR SPACING:
   RADIUS ≥ 300' - SPACE EVERY 50'
   RADIUS < 300' - SPACE EVERY 25'



W-BEAM SPLICE BOLT DETAIL

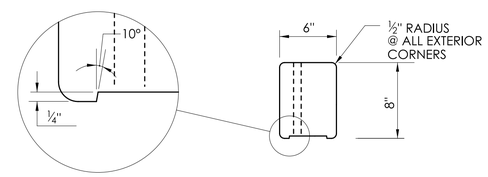


POST BOLT DETAIL FOR R-B 350 SYSTEM 6 RUBRAIL

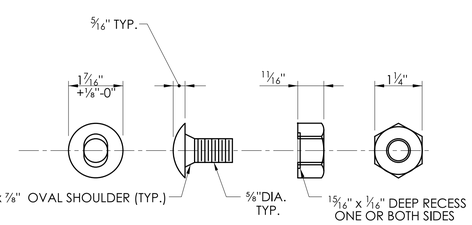


POST BOLT DETAIL FOR R-B 350 AND MD-B 350 GUIDERAIL

(UNTHREADED PORTION NOT TO EXCEED 6¾")

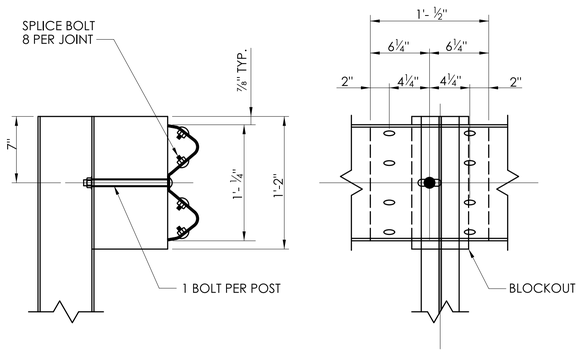


PLAN



BUTTONHEAD BOLT **HEX NUT**

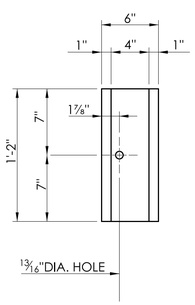
NOTE: AFTER GALVANIZING, THE NUT SHALL BE FREE RUNNING ON THE BOLT. DIAMETER SHOWN IS TYPICAL FOR ALL GUIDERAIL BOLTS. SEE DETAILS ABOVE FOR SPECIFIC LENGTHS.



SECTION **ELEVATION**

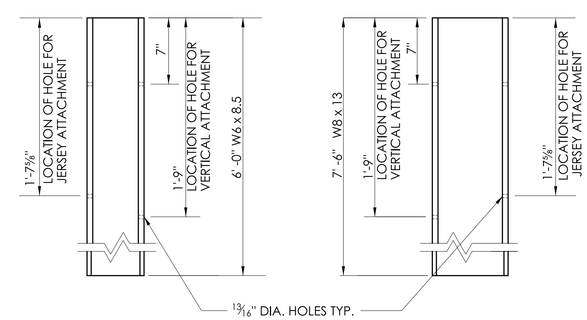
LAP DETAIL

NOTE: LAP RAIL SECTION IN DIRECTION OF TRAFFIC



ELEVATION

R-B 350 PLASTIC BLOCKOUT DETAIL



W6x8.5 POST 6'-0" LONG **W8x13 POST 7'-6" LONG**

BOLT HOLE LAYOUT FOR W8 x 13 AND W6 x 8.5 UNIFORM POST

(REFER TO GENERAL NOTES)

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2024.12.16 14:19:48-05'00'	APPROVED BY: Digitally signed by Michael N. Calabrese, P.E. Date: 2025.01.21 13:44:33-05'00'	CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: W-BEAM METAL BEAM RAIL HARDWARE	STANDARD SHEET NO.: HW-910_01

PLOTTED DATE: 10/22/2024